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Carpuride W103 Pro

CARPURIDE W103 Pro Portable Car Stereo User Manual

Model: W103 Pro | Brand: Carpuride

1. INTRODUCTION

Thank you for choosing the CARPURIDE W103 Pro Portable Car Stereo. This device is designed to enhance your driving experience by integrating your smartphone's features into a large, clear display. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

2. PRODUCT OVERVIEW

The CARPURIDE W103 Pro features a 10.3-inch 1080P IPS HD capacitive touch screen, offering responsive and clear viewing. It supports wireless Apple CarPlay and Android Auto, along with Mirror Link functionality. The device includes a built-in 5W speaker and various connectivity options.

2.1. Components and Ports

- **Main Screen Unit:** 10.3-inch touch display.
- **Built-in Microphone:** Located on the bottom right corner of the screen for hands-free calls and voice commands.
- **Built-in 5W Speaker:** Located on the rear of the unit for audio output.
- **Light Sensor:** On the rear, for automatic screen brightness adjustment.
- **Mounting Points:** On the rear, compatible with various mounting brackets.
- **Power Button:** Located on the top edge of the device.
- **Ports (on the edge):**
 - **MIC:** 3.5mm jack for external microphone.
 - **SD:** MicroSD card slot for media playback.
 - **CAM IN:** 2.5mm jack for reversing camera input.
 - **AUDIO OUT:** 3.5mm jack for wired audio output to car speakers.
 - **USB:** USB-A port for media playback from USB devices.
 - **DC 5V (USB-C):** Power input port.



Figure 1: CARPURIDE W103 Pro Main Unit

Wider Compatible



Car



Truck



Caravan



Van

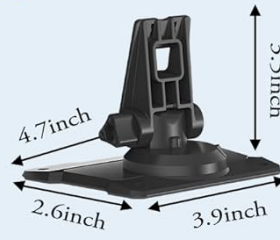
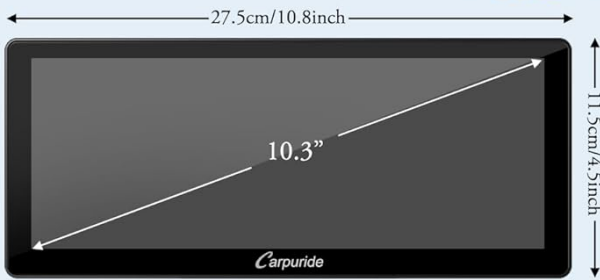


Trailers



Campers

Packing List



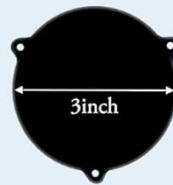
Self-adhesive bracket



Suction mount bracket



Car Charger



Suction Cup Gasket



3.5mm Audio Cable



User Manual

Figure 2: Product Dimensions and Packing List



Figure 3: Overview of Key Features

3. SETUP

3.1. Mounting the Device

The W103 Pro comes with two primary mounting options:

- **Suction Cup Mount:** Ideal for temporary or flexible placement on the windshield or dashboard. Offers high versatility in angle and position.
- **Self-Adhesive Bracket:** Provides a more permanent and sleek installation on a flat surface of your dashboard.

Both mounts securely click into the back of the main unit. Ensure the mounting surface is clean and dry before attachment for optimal adhesion.



Figure 4: Various Mounting Options

3.2. Initial Power On

1. Connect the provided 12V to USB-C adapter to your vehicle's cigarette lighter socket.
2. Plug the USB-C cable into the DC 5V port on the W103 Pro unit.
3. The device will power on automatically and display the Carpuride loading screen, followed by the home screen. The unit is designed to power on instantly when your vehicle starts.

4. OPERATING INSTRUCTIONS

4.1. User Interface Navigation

The home screen displays various application icons, a clock, and control buttons on the left side. The full HD touch screen provides a clear and responsive interface for easy navigation.

- **Help Button:** Provides information and support.
- **Volume Controls:** Adjust audio volume up or down. Can also be adjusted via the touchscreen slider.
- **Brightness Control:** Adjust screen brightness manually or enable auto-brightness via the light sensor.

4.2. Wireless CarPlay & Android Auto

The W103 Pro supports wireless Apple CarPlay and Android Auto, allowing seamless integration with your smartphone for navigation, music, calls, and more.

- **For Wireless CarPlay (iPhone):**
 1. Open the 'i-Play' app on the W103 Pro.
 2. On your iPhone, turn on Wi-Fi and Bluetooth.
 3. Search for and connect to the device's Bluetooth (e.g., Carpuride-xxxx).
 4. Confirm the connection on your iPhone to enable CarPlay.

• For Wireless Android Auto (Android Phone):

1. Open the 'A-Auto' app on the W103 Pro.
2. On your Android phone, turn on Wi-Fi and Bluetooth.
3. Search for and connect to the device's Bluetooth.
4. Confirm the connection on your Android phone to enable Android Auto.



Figure 5: CarPlay, Android Auto, and Mirror Link Capabilities



Figure 6: Apple CarPlay Connection Guide



Figure 7: Android Auto Connection Guide

4.3. Mirror Link (AirPlay & AutoLink)

The device supports Phone Mirror-Link technology for both iOS (AirPlay) and Android (AutoLink) devices, allowing you to display your phone's screen directly on the W103 Pro.

- **AirPlay (Wireless iOS Mirroring):** Use the 'AirPlay' app to wirelessly mirror your iPhone's screen.
- **AutoLink (Wired Android Mirroring):** Use the 'AutoLink' app for wired mirroring of your Android phone. This may require a separate app download on your phone.

4.4. Bluetooth Functionality

The W103 Pro features dual Bluetooth 5.0 for enhanced connectivity.

- **Hands-Free Calling:** Pair your smartphone via Bluetooth to make and receive calls directly from the W103 Pro. You can dial, view call history, and access contacts.
- **Bluetooth Music Streaming:** Stream audio from your phone to the W103 Pro. Note: When connected to car Bluetooth, calls will be made through the W103 Pro speaker, not the car speaker.

Dual Bluetooth Transmission

Compared with the W103, W103Pro has added the latest Bluetooth transmission function. Connect the car's Bluetooth through the 103PRO's Bluetooth, and you can listen to music from the car's speakers. Please note that the sound of phone calls in this mode comes from the built-in speaker of the 103PRO.



Figure 8: Dual Bluetooth Transmission

4.5. Media Playback (USB & SD Card)

Play your own music or view files directly from a USB stick or MicroSD card by plugging them into the respective ports on the device.

4.6. Audio Output Options

The W103 Pro offers multiple ways to output audio:

- **Built-in Speaker:** For direct audio playback from the unit.
- **AUX Output:** Connect the provided AUX cable from the 'AUDIO OUT' port to your car's AUX input for wired audio transmission.
- **FM Transmit:** Use the 'Transmit' app to broadcast audio from the W103 Pro to your car's FM radio. Select an unused FM frequency on both the device and your car radio.
- **Bluetooth Transmit:** Transmit audio wirelessly to your car's Bluetooth system.

Five Ways of Sounding

BT Audio: Connect your phone to the car's Bluetooth system and use CarPlay or Android Auto to play audio through the car's speakers.

Note: Supports car BT sound by carplay or A-Auto; does not support TF sound transmission to car speakers.



Figure 9: Five Audio Output Methods

4.7. Equalizer (EQ)

Access the 'EQ' app to adjust audio settings. It includes several built-in presets (e.g., Classic, Rock) and allows you to create custom equalizer settings for personalized sound.

With EQ Effect

With EQ effect, when playing music through SD ,U disk and Bluetooth Music, click EQ, open or close "Loud" to turn on/off the bass effect, you can also choose the sound effect mode, rock, classical, jazz, and othersound effects.



Figure 10: Equalizer Settings

4.8. Sensor Light Design

The integrated sensor light automatically adjusts the display brightness based on ambient light conditions, protecting your eyes and ensuring optimal visibility, especially when driving through tunnels or at night.

10.3in 1080P JPS HD Carpactive Touch Screen



1280x480P HD Screen



800x480P
General Screen



720x480P
General Screen

Click the little sun in the upper right corner of the main screen to choose to adjust the screen brightness automatically or manually.



Figure 11: Sensor Light Functionality

4.9. Siri & Voice Control

Utilize your device's voice assistant (Siri for iOS, Google Assistant for Android) through the W103 Pro for hands-free control of navigation, music, calls, and text notifications.



Figure 12: GPS Navigation and Voice Control

5. MAINTENANCE

To ensure the longevity and optimal performance of your CARPURIDE W103 Pro, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Storage:** If not in use for an extended period, remove the product from its bracket and store it properly to avoid any damage.
- **Temperature:** Avoid exposing the device to extreme temperatures, both hot and cold.

6. TROUBLESHOOTING

If you encounter issues with your W103 Pro, refer to the following common solutions:

- **No Power:** Ensure the USB-C power cable is securely connected to both the device and the 12V adapter, and that the adapter is properly inserted into the car's power outlet.
- **Wireless Connection Issues (CarPlay/Android Auto):**
 - Ensure Wi-Fi and Bluetooth are enabled on your phone.
 - Verify that your phone supports 5GHz Wi-Fi (required for wireless Android Auto).

- For iOS, ensure iOS 6 or above and Siri is enabled.
 - For Android, ensure Android 11 or above and the Android Auto app is updated.
 - Try forgetting the device in your phone's Bluetooth settings and re-pairing.
- **Audio Quality Issues (FM Transmit):** Tune to an interference-free radio station and slightly decrease the volume of the device to solve the problem of FM wireless interference.
 - **Calls through W103 Pro Speaker instead of Car Speaker:** After connecting to car Bluetooth, calls will be made through the W103 Pro speaker. This is expected behavior.
 - **Screen Brightness Fluctuation:** If the light sensor is too sensitive, turn off automatic light sensor and choose manual adjustment in settings.
 - **Mirroring Issues:** To switch to mirroring mode after using CarPlay/Android Auto, you need to set up mirroring in your phone's settings and ignore CarPlay/Android Auto connections.
 - **No Steering Wheel Control:** This device does not support steering wheel control.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.2 x 10.89 x 4.63 inches
Item Weight	2.51 pounds
Screen Size	10.3 inches (visible area), 11.3 inches (overall)
Screen Resolution	1080P (1024*600)
Connectivity Technology	Bluetooth, Wi-Fi (5GHz supported)
Controller Type	iOS, Android
Special Features	GPS Navigation, Dual Bluetooth, Apple CarPlay, Equalizer, Android Auto, Mirror Link, Sensor Light
Audio Output Mode	Stereo
Video Encoding	H.264, H.265/HEVC
Power Supply	12V/24V adaptive (via cigarette lighter)

8. WHAT'S IN THE BOX

- W103 Pro Car Stereo (x1)
- Mounting Brackets (x2)
- AUX Cable (x1)
- Type-C Charger (x1)
- User Manual (x1)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided in the packaging or visit the official Carpuride website. Keep your purchase receipt for warranty claims.